

The Premiere Entertainment Notebook PC.

SUMPTUOUS DESIGN

From the moment you take it out of its box, you'll notice the VAIO® AR Digital Studio™ Notebook is more than just a device, it's a showpiece. First of all, it's gorgeous. With its black exterior and sleek profile, interfaces and ports that are easily accessible yet stylishly and discreetly integrated; this beauty is the ultimate in portable entertainment performance.

MULTIMEDIA POWERHOUSE

With optional Blu-ray Disc™ support and Vista™ Home Premium or Vista™ Business, you can view your movies and photos with stunning clarity and brilliant, true-to-life color. NVIDIA® GeForce® Go 7600 notebook graphics processing unit (GPU) delivers advanced graphics performance for immersive game play. You're also ready to capture and edit 1080i HD camcorder content. A built in camera and microphone means it's conference and VoIP ready¹². Multimedia shortcut keys at your fingertips make it easy to control your entertainment. It's the ultimate notebook PC for the A/V enthusiast.

FEATURING A STUNNING AND EXCEPTIONAL WIDESCREEN DISPLAY.

The VAIO® AR Digital Studio™ Notebook features a stunning 17" WUXGA (1920x1200) or WXGA+ (1440x900) widescreen display⁸ with Sony's original XBRITE-HiColor™ LCD technology. It delivers deep blacks and bright whites, true-to-life color, and razor-sharp detail. And with a glare filter and anti-reflective coating to minimize reflection, you'll experience a beautifully clear image. It's the ideal way to view DVDs and play games.

The luxuriously designed VAIO® AR Series notebook PC is the ultimate performer. With a 17" WUXGA or WXGA+ display⁸, HDMI™ output, optional Windows Vista™ Home Premium or Windows Vista™ Business, NVIDIA® GeForce® Go 7600 notebook graphics processing unit (GPU), optional Blu-ray Disc™ support and optional Intel® Core™ Duo performance, you will experience entertainment and gaming like never before.



Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, AV Mode, Volume, Mute, Eject,
Play/Pause/Stop, Wireless LAN On/Off, FF and Rewind
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7600 (Configuration 1),
Intel® Core™ 2 Duo Processor T7400 (Configuration 2),
Intel® Core™ 2 Duo Processor T7200 (Configuration 3),
Intel® Core™ 2 Duo Processor T5600 (Configuration 4),
Intel® Core™ 2 Duo Processor T5500 (Configuration 5) or
Intel® Pentium® dual-core processor T2060 (Configuration 6)
Speed: 2.33GHz¹ (Configuration 1),
2.16GHz² (Configuration 2),
2GHz³ (Configuration 3),
1.83GHz⁴ (Configuration 4),
1.66GHz⁵ (Configuration 5) or
1.60GHz⁶ (Configuration 6)

Front Side Bus Speed: 667MHz (Configurations 1-5)
533MHz (Configuration 6)

L2 Cache: 4MB Advanced Smart Cache (Configurations 1-3),
2MB Advanced Smart Cache (Configurations 4-5) or
1MB (Configuration 6)

Technology: Intel® Centrino® Duo Mobile Technology

Memory

Type: DDR2 SDRAM
Installed: 2GB (1GBx2) PC2-5300, 1GB (1GBx1) PC2-5300, 1GB
(512MBx2) PC2-5300 or 512MB (512MBx1) PC2-5300
Maximum: 2GB
Speed: 667MHz

Hard Drive

Capacity: 400GB² (200GBx2) (Configuration 1),
320GB² (160GBx2) (Configuration 2),
240GB² (120GBx2) (Configuration 3),
200GB² (100GBx2) (Configuration 4),
160GB² (80GBx2) (Configuration 5),
200GB² (Configuration 6),
160GB² (Configuration 7),
120GB² (Configuration 8),
100GB² (Configuration 9),
80GB² (Configuration 10) or
60GB² (Configuration 11)

Speed: 4200rpm (Configurations 1-2, 6-7)
5400rpm (Configurations 3-5, 8-11)

Interface: Serial ATA

Technology: RAID Technology for Dual Hard Drive 80GBx2 and
above

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes⁴
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
BD-R Read: 1x max. (Blu-ray Disc™ only)
BD-R Write: 1x max.¹⁵ (Blu-ray Disc™ only)
BD-RE Write: 1x max.¹⁵ (Blu-ray Disc™ only)
BD-ROM Read: 1.6x max. (Blu-ray Disc™ only)
BD-RE Read: 1x max. (Blu-ray Disc™ only)
DVD-RAM Read: 5x max.
Blu-ray Disc™ Support: Optional¹⁵

Can only be selected with the following criteria: 17" WUXGA with
7600GT graphics, RAID Technology and Dual Hard Drives, CPU
processor 7200 or higher and 1GB memory or larger

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick® and
Memory Stick DUO™ media⁵ with MagicGate® functionality and
Secure Digital Media (SD)
One PCMCIA - Type II/Type I card slot with CardBus support
One ExpressCard™ /54 Slot

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WUXGA or WXGA+
Screen Size: 17"⁶
Resolution: 1920x1200 WUXGA (available with 7600GT graphics) or
1440x900 WXGA+ (available with 7600 graphics)
XBRITE HiColor™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® Go 7600GT GPU or
NVIDIA® GeForce® Go 7600 GPU
Video RAM: 527MB¹⁴ or 511MB¹⁴ (GeForce Go GT 7600 GPU) or
399MB¹⁴ or 383MB¹⁴ (GeForce Go 7600 GPU)
Chipset: Intel® 945PM
Interface: VGA out w/ Smart Display Sensor, HDMI out and S-Video
out
TV Tuner: NTSC & ATSC Tuners (Optional & only available with
Windows Vista™ Home Premium)

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
i.LINK® Interface: 1 (4pin) i.LINK® connector (IEEE 1394)⁶
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
Port Replicator Connector(s): 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
S/PDIF Output(s): 1
Express Card™ Slot: /54 x 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem with (RJ-11)
Wireless LAN: Intel® PRO/Wireless 3915ABG Network Connection
(802.11a/b/g)³
Bluetooth® Technology: Integrated Bluetooth® Technology¹⁰ or no
Integrated Bluetooth® Technology

Power

Battery Type: Standard Capacity Battery (VGP-BPS2C) or
Large Capacity Battery (VGP-BPL2C)
Estimated Battery Life: TBD⁷ with standard battery
TBD⁷ with large capacity battery
Power Requirements: 150W+10%

Software

Operating System: Windows Vista™ Home Premium or Windows
Vista™ Business
Internet Services: AOL Online™ 180-Day Trial (New Users Only)
Supplied Software: Microsoft® Works 8.5
60-Day Trial Version of Microsoft® Office 2007¹³
Sony® Original Software: Click to DVD® - DVD Creation
Trial Versions of Sony popular games
* Please visit VAIO® Support Central for a complete list of
software applications and trials.
Security and Anti-Virus Software: Norton® Internet Security™
2007 60-Day trial with spyware protection

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance,
available 24/7¹¹
Limited Warranty and Onsite Service: 1 Year Limited Warranty
with Onsite Service⁹
Online and Email Support: Support available from
http://www.esupport.sony.com

Dimensions

Weight: 8.4 lbs. (weight is approximate and may vary)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)

Supplied Accessories

Standard Lithium-ion Battery (VGP-BPS2C) or Large Capacity Lithium-
ion Battery (VGP-BPL2C)
AC Adapter (VGP-AC19V15)
Power Cord
Remote and IR Receiver (only with TV Tuner equipped models)
External ATSC TV Tuner (Only with TV Tuner equipped models)

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS2C)
Large Capacity Battery (VGP-BPL2C)
Multi-Function Docking Station (VGP-PRFE1)
Universal Carrying Case (VGP-AMB1)
80GB² HDD Drive Bay Unit (VGP-UHBX08A)
Neoprene Notebook and AC Adapter Case (VGP-AMC2)

Color: Glossy Piano Black

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate® functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
8. Viewable area measured diagonally.
9. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
10. Use of this Bluetooth enabled product with other devices may vary as not all Bluetooth devices are compatible.
11. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. Broadband connection is required along with third party services which may require a subscription fee and other service fees.
13. The Microsoft® Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
14. Total Available Graphics Memory refers to the new Windows Vista™ classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory.
15. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
16. Video recording to Blu-ray Disc™ media is done in MP2 format only.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.
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